

<b>FORM 5</b>	<b>MDEQ</b>	<b>MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY APPLICATION FOR AIR POLLUTION CONTROL PERMIT</b>
<b>Electrostatic Precipitators (ESP)</b>		<b>Section L6</b>
<b>1. Electrostatic Precipitator Description</b>		
<p>A. Emission Point Designation (Ref. No.): _____</p> <p>B. Equipment Description (include the process(es) that ESP controls emissions from):  _____</p> <p>C. Manufacturer: _____ D. Model: _____</p> <p>E. Status:    <input type="checkbox"/> Operating    <input type="checkbox"/> Proposed    <input type="checkbox"/> Under Construction</p>		
<b>2. Electrostatic Precipitator Data</b>		
<p>A. Precipitator Type:    <input type="checkbox"/> Wet                      <input type="checkbox"/> Dry                      <input type="checkbox"/> Single-stage  <input type="checkbox"/> Two-stage            <input type="checkbox"/> Other: _____</p> <p>B. Efficiency: _____ %            Controlling the following pollutant(s): _____</p> <p>C. Inlet air flow rate: _____ acfm</p> <p>D. Pressure Drop: _____ in. of H<sub>2</sub>O</p> <p>E. Inlet Temperature: _____ °F</p> <p>F. Total collection plate area: _____ ft<sup>2</sup></p> <p>G. Collector Plate Size:    Length: _____ ft            Width: _____ ft</p> <p>H. Gas Viscosity: _____ poise</p> <p>I. Pollutant Resistivity: _____ ohm-cm</p> <p>J. Field strength:    Charging: _____ volts            Collecting: _____ volts</p> <p>K. No. of fields: _____</p> <p>L. No. of collector plates per field: _____</p>		

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<b>2. Electrostatic Precipitator Data (continued)</b>																																									
<p>M. Spacing between collector plates: _____ in.</p> <p>N. No. of compartments: _____</p> <p>O. No. of discharge electrodes: _____</p> <p>P. Corona Power: _____ watts/1000cfm</p> <p>Q. Electrical Usage: _____ kW/hr</p> <p>R. Cleaning Method:    <input type="checkbox"/> Plate Rapping        <input type="checkbox"/> Plate Vibrating        <input type="checkbox"/> Washing</p> <p style="margin-left: 40px;"><input type="checkbox"/> Other: _____</p> <p>S. Rapper Frequency: _____ min/cycle        <input type="checkbox"/> Automatic        <input type="checkbox"/> Manual</p> <p>T. Is flue gas conditioning required?    <input type="checkbox"/> Yes        <input type="checkbox"/> No</p> <p>U. Fan location relative to precipitator:    <input type="checkbox"/> Upstream        <input type="checkbox"/> Downstream</p> <p>V. How is the collected dust stored, handled, and disposed of?</p> <p style="margin-top: 20px;">W. List the electrical conditions per field:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 20%;">FIELD NO.</th> <th style="width: 30%;">VOLTAGE (kV)</th> <th style="width: 50%;">AMPERAGE (mA)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			FIELD NO.	VOLTAGE (kV)	AMPERAGE (mA)																																				
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